

## **ABSTRACT**

The present study was conducted to analyse the prognostic value of first trimester hba1c and development of Gestational Diabetes Mellitus with single step 75 gm OGTT(DIPSI GUIDELINES) as reference test. 100 pregnant women with 8-13 weeks were included in this study conducted at Govt RSRM lying in hospital. The results were analysed and tabulated. It was found that hba1c cut off value for developing GDM in high risk group is more than 5.5%.Respiratory distress syndromes, shoulder dystocia, hypoglycaemia, APGAR 1 minute, preeclampsia, macrosomia were highly significant between the groups with HBA1C  $\geq$ 5.5%.Thus it helps in predicting adverse maternal and foetal outcomes.

Key words: First Trimester HBA1C, Gestational Diabetes Mellitus,  
Screening Pregnant Women, OGTT